

Bromisoval

Chemical Properties

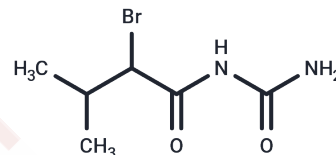
CAS No. : 496-67-3

Formula: C₆H₁₁BrN₂O₂

Molecular Weight: 223.07

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Bromisoval (Isobromyl) is a mild hypnotic and sedative with potential toxicity.
Targets(IC50)	Others,STAT

Solubility Information

Solubility	DMSO: 40 mg/mL (179.32 mM),Sonication is recommended. Ethanol: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (22.41 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4829 mL	22.4145 mL	44.829 mL
5 mM	0.8966 mL	4.4829 mL	8.9658 mL
10 mM	0.4483 mL	2.2414 mL	4.4829 mL
50 mM	0.0897 mL	0.4483 mL	0.8966 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Kumazawa T, et al. J Anal Toxicol. 1992 May-Jun;16(3):163-5.

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